

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) A recording apparatus for recording digital information signals on a removable rewritable disc-like recording medium, the medium comprising a user area for recording user data represented by the digital information signals and for recording first file system data comprising directory and file entries pointing to the user data according to rules of a first file system, a spare area outside the user area comprising replacement areas for defect management, a table area outside the user area for recording a defect table comprising a list of addresses of the replacement areas and defect areas in the user area, a general application area outside the user area and outside the spare area for recording second file system data comprising

directory and file entries pointing to the user data according to rules of a second file system, the second file system data being different from the first file system and comprising data that does not allow replacements by the defect management, the recording apparatus comprising comprising:

input means for receiving the digital information signals;  
recording means for recording the digital information signals on the medium;  
reading means for reading recorded digital information signals recorded on the medium;  
output means for outputting the read digital information signals; and  
control means for controlling recording the digital information signals,  
wherein the control means are adapted to increase a storage space for the second file system data by marking a part of the medium as unusable in the defect table and recording a part of the second file system data in the part of the medium marked as unusable.

2. (Previously Presented) The recording apparatus as claimed in claim 1, wherein the control means are adapted to mark at least a part of the spare area as unusable in the defect table and to record the part of the second file system data in the at least the part of the spare area marked as unusable.

3. (Previously Presented) The recording apparatus as claimed in claim 2, wherein the control means are adapted to search the defect table for a replacement area address of a replacement area comprising recorded user data, to localize the replacement area according to the replacement area address, to search the defect table for a free replacement area address of a free replacement area without the user data, to localize the free replacement area according to the free replacement area address, to read the recorded user data from the replacement area, to record the user data read from the replacement area in the free replacement area and to mark the replacement area as unusable in the defect table.

4. (Previously Presented) The recording apparatus as claimed in claim 1, wherein the control means are adapted to mark a part of the user area as unusable in the defect table and to record the part of the second file system data in the part of the user area marked as unusable.

5. (Previously Presented) The recording apparatus as claimed in claim 4, wherein the control means are adapted to search the defect table for a free replacement area address of a free replacement area without the user data, to localize the free replacement area according to the free replacement area address, to read recorded user data from the part of the user area, to record the user data read from the part of the user area in the free replacement area and to mark the part of the user area as unusable in the defect table.

6. (Previously Presented) The recording apparatus as claimed in claim 1, wherein the control means are adapted to collect change information related to changes of the first file system data or of

the second file system data and to modify the first file system data or the second file system data in dependence on the change information.

7. (Previously Presented) The recording apparatus as claimed in claim 6, wherein the control means are adapted to record the change information on the medium.

8. (Previously Presented) The recording apparatus as claimed in claim 1, wherein the control means are adapted to collect status information related to changes of the defect table and to modify the second file system data in dependence on the status information.

9. (Previously Presented) The recording apparatus as claimed in claim 8, wherein the control means are adapted to record the status information on the medium.

10. (Currently Amended) A method of recording digital

information signals on a removable rewritable disc-like recording medium, the medium comprising a user area for recording user data represented by the digital information signals and for recording first file system data comprising directory and file entries pointing to the user data according to rules of a first file system, a spare area outside the user area comprising replacement areas for defect management, a table area outside the user area for recording a defect table comprising a list of addresses of the replacement areas and defect areas in the user area, a general application area outside the user area and outside the spare area for recording second file system data comprising directory and file entries pointing to the user data according to rules of a second file system, the second file system data being different from the first file system, the method comprising the act of increasing a storage space for the second file system data by the acts of:

recording the second file system in the general application area, the second file system comprising data that does not allow replacements by the defect management;

marking a part of the medium as unusable in the defect table;

and

recording a part of the second file system data in the part of the medium marked as unusable.

11. (Previously Presented) The method as claimed in claim 10, wherein the part of the medium comprises at least a part of the spare area.

12. (Previously Presented) The method as claimed in claim 11, further comprising the acts of:

searching the defect table for a replacement area address of a replacement area comprising recorded user data;

localizing the replacement area according to the replacement area address;

searching the defect table for a free replacement area address of a free replacement area without the user data;

localizing the free replacement area according to the free replacement area address;

reading the recorded user data from the replacement area;

recording the user data read from the replacement area in the free replacement area; and  
marking the replacement area as unusable in the defect table.

13. (Previously Presented) The method as claimed in claim 10, wherein the part of the medium comprises a part of the user area.

14. (Previously Presented) The method as claimed in claim 13, further comprising the acts of:  
searching the defect table for a free replacement area address of a free replacement area without the user data;  
localizing the free replacement area according to the free replacement area address;  
reading recorded user data from the part of the user area;  
recording the user data read from the part of the user area in the free replacement area; and  
marking the part of the user area as unusable in the defect table.

15. (Previously Presented) The method as claimed in claim 10,  
further comprising the acts of:

collecting change information related to changes of the first  
file system data or of the second file system data; and  
modifying the first file system data or the second file system  
data in dependence on the change information.

16. (Previously Presented) The method as claimed in claim 15,  
further comprising the act of recording the change information on  
the medium.

17. (Previously Presented) The method as claimed in claim 10,  
further comprising the acts of:

collecting status information related to changes of the defect  
table; and  
modifying the second file system data in dependence on the  
status information.

18. (Previously Presented) The method as claimed in claim 17,

further comprising the act of recording the status information on the medium.

19. (Previously Presented) A computer system comprising a computer connected to a recording apparatus for recording digital information signals on a removable rewritable disc like recording medium, the medium comprising a user area for recording user data represented by the digital information signals and for recording first file system data comprising directory and file entries pointing to the user data according to rules of a first file system, a spare area outside the user area comprising replacement areas for defect management, a table area outside the user area for recording a defect table comprising a list of addresses of the replacement areas and defect areas in the user area, a general application area outside the user area and outside the spare area for recording second file system data comprising directory and file entries pointing to the user data according to rules of a second file system, the recording apparatus comprising input means connected to the computer for receiving the

digital information signals;

recording means for recording the digital information signals  
on the medium;

reading means for reading recorded digital information signals  
recorded on the medium;

output means for outputting the read digital information  
signals to the computer;

control means for controlling recording the digital  
information signals,

wherein the computer is adapted to control the control means  
of the recording apparatus to perform the method according to claim  
10.

20. (Previously Presented) A computer program product embodied  
in a computer-readable medium for recording digital information  
signals on a removable rewritable disc like recording medium, which  
program is operative to cause a processor to perform the method  
according to claim 10.

21. (New) The recording apparatus of claim 1, wherein the control means are further adapted to include substantially all files of a same type present on the recording medium in one directory or in a limited number of directories based on file types present on the recording medium in order to not search through a large amount of directory trees to find substantially all files of the same type.

22. (New) The recording apparatus of claim 1, wherein the control means are further adapted to localize all files of one type to appear in a single directory independently of different directories where the files are stored.

23. (New) The recording apparatus of claim 1, wherein the defect table further comprises information related to areas on the medium where the defect management is not be active, including a size and a position of the general application area.